Air Force Materiel Command

War-Winning Capabilities … On Time, On Cost

U.S. AIR FORCE

Joint Information Operations Planning Capability (IOPC-J) Industry Day 7 Feb 06

Integrity - Service - Excellence

Agenda

• **Welcome**	**Mr. Ken Francois**
• **IOPC-J Overview**	**Capt Ephane Dubose**
• **Break**	
• **Market Research Feedback**	**Mr. Matt Trippy**
• **Technology Readiness**	**Mr. Mike Bubb**
• **Acquisition Plan**	**Mr. Ken Francois**
– **Acquisition Organizations**	
– **Source Selection Process**	
– **Objectives to Achieve**	
– **Schedules (Notional)**	
• **Summary**	**Mr. Ken Francois**
• **Break**	
• **IWPC v4.2 Demo**	**Mr. Matt Trippy**
• **Lunch**	
• **One-on-One Sessions**	

Introductions

- **Lt Col Daniel Regan – Chief, IO Systems Branch**
- **Mr. Ken Francois – Deputy Chief, IO Systems Branch**
- **Mr. Rex Haddix – Chief Engineer, IO Systems Branch**
- **Maj Rick Boone – IOPC-J Program Manager**
- **Capt Ephane DuBose – Deputy, IOPC-J Program Manager**
- **Ms. Lynn Corley – IOPC-J Contracting Officer**
- **Mr. Mike Bubb – IOPC-J Lead Engineer**
- **Mr. Matthew Trippy – System Engineer**
- **Ms. Linda Tilghman – JIOC/J38**

Industry Partners

- Accenture
- BAE Systems
- Boeing
- Booz Allen Hamilton
- CACI
- Cerebra
- CNF Technologies
- CTI
- Dell Federal Systems
- Diligent Consulting, Inc.
- Dynetics, Inc.
- EMC
- FGM, Inc.
- General Dynamics
- Grant Business Development
- IBM
- JBManagement, Inc.
- Lockheed Martin
- L-3 Titan
- MacAulay-Brown, Inc.
- Man Tech
- Micro Analysis & Design
- Northrop Grumman
- OPNET
- SAIC
- Sierra Nevada
- SRA
- 21st Century Technologies

Administrative Announcements

- All Attendees—Please Sign In
- All briefings will be UNCLASSIFIED
- Restrooms/Lunch
- No Recording Devices or Cameras are Permitted
- HERBB Website
  - All Questions/Answers Beneficial to Industry will be Posted

PURPOSE

- To provide feedback to Industry on responses provided by you
- To identify feedback gaps required to conclude our market research

Definition of Notional

- **<u>Notional</u>, Adj, 1) theoretical, speculative 2) existing in the mind only, imaginary 3) given to foolish or fanciful moods or ideas 4) of, relating to, or being a notion, conceptual.**

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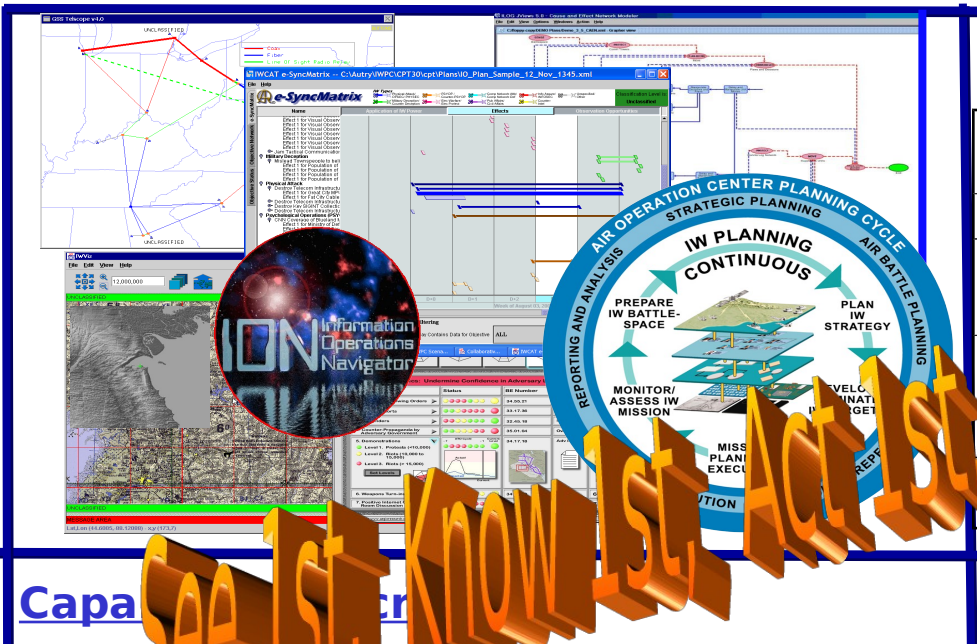
IOPC-J Description



Requirements

IOPC-J CDD Dated: TBD

1st Increment Requirement

KPPs	Threshold	Objective	Curre
1. Support Planning Process	Full	T	N
2. Interact with DOD planning and C2 Systems	Supp ystem ansacti		N/A
3. N k mapp capa	Displa hysical comm. link	Develop & display satellite & other "NRT" links	N/A
4. Ne eady	100% of Interface	Threshold	N/A

See 1st, Know 1st, Act 1st and Finish Decisively!

Capa cr

IOPC-J omprised of Joint IO plan capabilities and Service-unique applications based on shared access to Service/Agency/joint-provided data sources in support of the Joint Forces Commander's (JFC) overall campaign plan and across the spectrum of military and peacekeeping operations.

Objective

To conduct full-spectrum IO options across a wide spectrum of military operations, by automating critical functions for information planning, analysis, and operations.

Current Status

- EA Status
- CDD Status
- SPO Activities
  - Market Research
    - Industry Participation
    - Government Participation
  - Resource Library
  - Existing Capabilities

Current Status (Continued)

- **Risk Reduction Efforts**
  - **Exercise Participation (JFCOM, USFK, Navy and others)**
  - **Joint Forces Staff College (JFSC) One-Day Course**
  - **Test Bed for Rapid Prototyping**

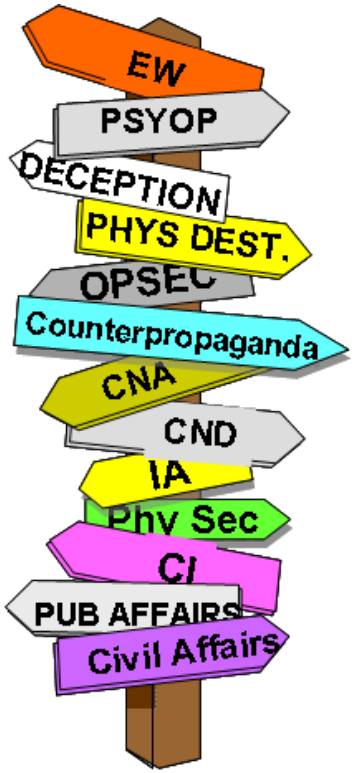
Resource Library

- One Contractor
- POCs
  - Ms. Monique Patterson
    - Phone (210.925.6720)
  - Mr. John Volk
    - Phone (210.925.6697)
- Hours of Operation (0900 to 1500)
- Security Visit Requests
  - Mr. Robert Richard
  - Faxed (210.925.7365) POC Phone (210.925.6611)
- Time Limit of Visits (3 hours)

Initial Capability (IC)

- USD/IO Directed Fielding to COCOMS, Services and joint agencies
- To serve as a “Pathfinder” for IOPC-J requirements
- Consists of ION v3.2 and IWPC v4.0
- **Deployment Began in Jul 05**
  - Completion in FY06
- Refresh with IWPC v4.2
  - Integrated ION
  - Services Interface
  - EW Module
  - Influences Ops Wizard (within COAST)

What do we Develop, Integrate or Synchronize?



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Market Research

- **Summary of Two (2) Requests for Information (RFIs)**
  - **RFI #1 (20 Jul 05)**
    - **Focus on Industry Capabilities**
      - **Develop, Field and Sustain IOPC-J**
  - **RFI #2 (16 Nov 05)**
    - **Focus on Industry Feedback**
      - **Technology Risks**
      - **Contract Types and Incentive Approaches**

Market Research (Continued)

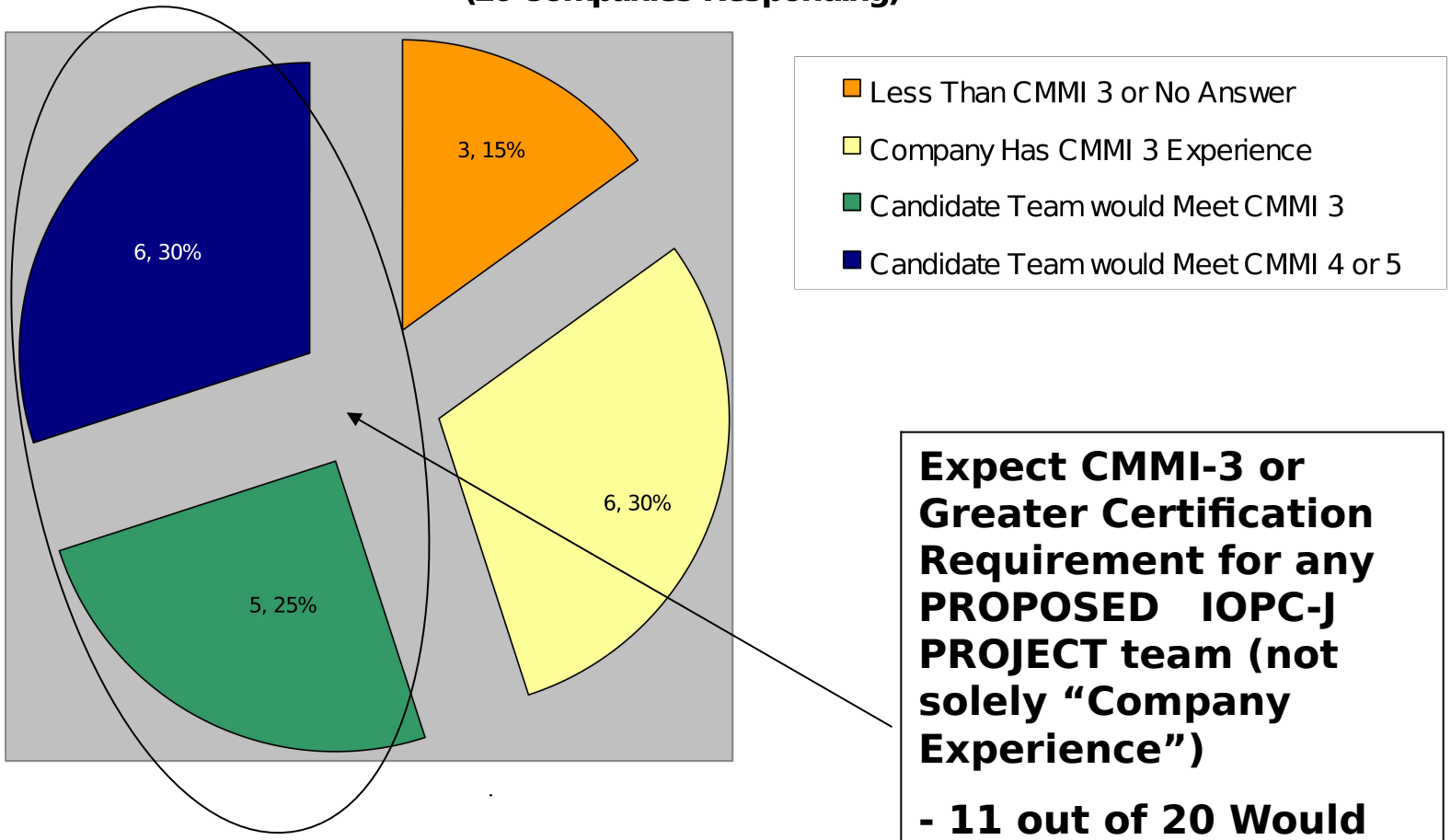
- **RFI #1: Industry Capabilities to Develop, Field and Sustain IOPC-J**
  - **Interest and Ability to Perform IOPC-J:**
    - **Development, enhancement, maintenance, integration, testing, training, fielding, and joint and coalition exercise and experimentation support**
  - **CMM or CMMI Certification**
  - **Demonstrated Experience:**
    - **Collaborative Applications, Multiple Security Levels, SOA/Pub-Sub Architectures, Secure Implementations for Complex (Navy, Army, Air Force, Marine) Applications, Supporting Strategic Planning, Combat Planning, Operations, and Assessment; [Process and Tools Experience] with Unique COCOM Operational and Technical Processes**

Market Research (Continued)

- **RFI #2 (16 Nov 05) Focus on Industry Feedback (Technology Risks, Contract Types and Incentive Approaches)**
  - **What Top 3 Activities should the Program Office focus on or implement prior to contract award to ensure program success?**
  - **What can the Program Office do to ensure the acquisition is on a level playing field?**
  - **What technology alternatives should be considered? (Regarding net-centric/service-oriented architecture: What standards and technologies are high risk and why? Moderate risk and why? Low risk and why? Which services offer best chance of widespread interoperability?)**
  - **What contract type would be most effective in ensuring program success?**
  - **What incentive approaches are recommended?**
  - **What are the most important things needed to bid and perform this type of effort?**

Market Research Results/Feedback

CMM or CMMI Certification Status
(20 Companies Responding)



Expect CMMI-3 or Greater Certification Requirement for any PROPOSED IOPC-J PROJECT team (not solely "Company Experience")

- 11 out of 20 Would Meet This Criteria

Market Research Results/Feedback

- CMMI (or CMM)
  - Efficiencies through Standardization, Reusable Assets, and Repeatable Processes
  - Commercially Proven Software Development Processes
  - Disciplined process
  - Prioritization of business (e.g., Operational) services and mapping to applications and infrastructure
  - CMMI demonstrates [Return on Investment]
  - Using CMMI processes on Net Centric and IO Roadmap systems
  - Integrated set of development processes covering all aspects of the program life cycle

Market Research Results/Feedback

- **KPP#1: Support the Planning Process**
  - **Ability to effectively and efficiently plan, execute and assess**
  - **Support missions in a distributed, dynamic, EBO environment**
  - **[Understand] IO and STO Operations**
  - **[Effectively utilize the maturing products of the] IO JMEMS/CNA weapons effectiveness working group**
  - **Provide technical, analytic, and planning support to IO action officers**
  - **Full understanding of IO planning from policy through execution**
  - **Understand the systems in the IO Roadmap**
  - **Understand how combined planning and [target characterization] processes will lead towards rapid advanced IO planning**
  - **Ability to provide DoD's premier Information Operations (IO) Subject Matter Experts (SMEs) for operational support**
  - **Parallel distributed development and exercise support teams**
  - **Blend of operational and systems understanding and insights**
  - **[Ability to] operate in an environment where aggressive adaptation of organization, processes, training, and supporting technology [is taking place]**

Market Research Results/Feedback

- **KPP#1: Support the Planning Process**
  - **Adaptive Planning**
  - **Effects-Based Operations**
  - **Predictive Operations**
  - **EBO products that follow the Joint Air Estimate Process (JP 3-30) currently employed by Joint AOCs**
  - **Supports global force synchronization including effects-based planning, execution, and assessment**
  - **[Understand the COCOM and Service processes] for the development, integration and approval of IO COAs**
  - **At the forefront [of] operations conducted in a fully joint and effects based environment**
  - **Function within the EBO family of capabilities**
  - **Understand the structure, processes, and challenges of the JTF (including Coalition)**
  - **[Leverage other program] understanding of JTF roles and processes within an EBO environment**
  - **[Appreciation for the difficulty of Effects Based Assessment of IO actions]**

Market Research Results/Feedback

- KPP#2: Interact with DoD Planning and C2 Systems
  - Widely Varying Experience Cited by Industry
    - JIAPC (3)
    - TBMCS (5)
    - Service specific Weapon Systems
    - MCS (0)
    - AFATDS (2)
    - IWPC (7)
    - ION (2)
    - ASAS (0)
    - GCCS (4)
    - JC2 transition to GCCS (0)
    - JC2 (0)
    - DOD and other Service or joint specific intelligence, mission planning, and C2 systems

Market Research Results/Feedback

- **KPP#3: Network Mapping Capability**
  - **[Ability to Visualize information supporting preferred courses of action]**
  - **[Provide a robust, effective collaboration environment that involves all stakeholders in the planning process]**
  - **Interact, Develop, and Support Development using advanced Knowledge Management techniques**
  - **Collaborative tagging and extraction of semantic metadata through peer-to-peer network collaboration**
  - **Best-of-breed document management, records management, Web-content management, digital asset management, collaboration technologies**
  - **Allow complex, heterogeneous, distributed processing using services from multiple providers**
  - **Home to numerous acknowledged world class experts in joint IO**

Market Research Results/Feedback

- **KPP#4: Net-Ready**
  - **Real-Time Information Sharing**
  - **Integrated Data Environment**
  - **[Contractor] well versed in NESI guidance**
  - **[Proven] methods for converting relational data into XML**
  - **Mature Open Standards**
  - **XML, WSDL**
  - **Actively involved with the Network Centric Operations Industry Consortium (NCOIC)**
  - **[Demonstrated] use of open standards to support software development**
  - **Ability to connect and reconnect seamlessly back into the enterprise**

Market Research Results/Feedback

- **Engineering Architecture**
  - **Horizontal Integration**
  - **Web Services Architecture**
  - **Proven architecture frameworks**
  - **Server-side computing**
  - **Secure and reliable networks**
  - **Expertise in a complex distributed environment**
  - **Provide scalability, reliability, availability, and survivability**
  - **Scalable system, capable of quickly adapting to changing operations environments**
  - **Award-winning solutions in network architectures, interfaces, protocols, and data analysis**
  - **Remote management and distributed use**
  - **[Rapidly] Integrate Third Party [and GOTS] Tools**
  - **Experience successfully using an architectural reference model in net-enabled systems**
  - **[Experience Implementing] Enterprise Service Bus**
  - **Plug-and-play capability to introduce legacy systems into the network**

Market Research Results/Feedback

- **Systems Engineering**
  - **Consider technology within the context of [people and processes]**
  - **Balance needs and available capability with resources, and to put capability into the hands of the user quickly**
  - **Combining the best available technologies to meet the needs**
  - **Innovative and intuitive systems**
  - **Resident human engineering/cognitive engineering expertise**
  - **Accurate translation of customer needs into systems which are intuitive to the user, supportive of the mission objectives, and operationally valid**
  - **[Experience with] Command and Control, visualization, modeling and simulation, collaboration, multi-level security, communications, network operations**

Market Research Results/Feedback

- **Technical Risk Reduction**
  - **Simulation [prior to development and/or deployment]**
  - **Utilize COTS Tools**
  - **COTS Standards where open (i.e. Net Centric) standards are still developing**
  - **Assess the feasibility of commercial products to meet requirements**
  - **COTS lab that can be used for trade studies, prototyping, and integration activities**
  - **Takes advantage of today's widely available COTS capabilities**
  - **"Net Centric" compliance plan**
  - **Responsive and agile support**
  - **Demonstrated ability to support Joint requirements**
  - **Demonstrated quick reaction development capability [in support of] multiple exercises and experiments**

Market Research Results/Feedback

- **Technical Risk Reduction – Spiral Development**
  - **[Appropriate use of] spiral (typically 12-18 months), waterfall (18+ months), and agile (less than 12 months)**
  - **Incremental Development and Lower Risk**
  - **Rapid Delivery: 5 months; 26 months; Consensus: 18 months?**
  - **Extensive experience in large-scale spiral software development on fielded systems-of-record**
  - **Significant experience in systems development using a Spiral approach**
  - **Delivering demonstration spirals in six-month increments**
  - **Cyclic approach for .. growing a capability's degree of definition and implementation while decreasing risk**
  - **Agile development – moving in very tight [<12mo] spirals developing and demonstrating coded product to the users as frequently as needed.**
  - **Expertise in developing code and integrating best of breed COTS products**
  - **Experts in the development and maintenance of Java-based applications, Oracle and Sybase databases, XML and Windows and Unix client/server architectures**

Market Research Results/Feedback

- **Functional Characteristics/Features (aka “Other Good Stuff”)**
  - **Provide complex capabilities in a seamlessly integrated and easy to use manner**
  - **Experience in constructive simulation, real time man-in-the-loop simulation and operational support requiring newly development, modification and reuse of software**
  - **Best of breed business process automation**
  - **Data compression for tactical edge users**

Market Research Results/Feedback

- **Information Assurance / Classified Data**
  - **Secret, Top Secret, and SAP/SAR Facility Clearances**
  - **Sensitive Compartmented Information Facilities (SCIF) space around the country**
  - **Seamless transmission and access of information between Secret (combined) domains to SCI domains**
  - **Provide a services-based infrastructure capable of synchronous operations at multiple security levels**
  - **Experience with Role Based Access Control (RBAC)**

Market Research Results/Feedback

- **Sustainment Considerations**
  - **Reduced Total Cost of Ownership**
  - **Ease of deployment (Web distributable) and low costs to deploy**
  - **Cut training time in half**
  - **Improve overall performance and reduce training needs**
  - **[Accelerate] the transition from novice to expert**

Market Research Results/Feedback

- **Project Team Considerations**
  - **Leverage Multi-site development and delivery**
  - **[Leverage] key partners/alliances**
  - **Proven solutions integrator**
  - **Experience from policy and strategy through implementation, deployment, and sustainment**
  - **Experience across the Intelligence, Defense, Civil, and Commercial markets**
  - **Experience [with] Mission Critical Systems**
  - **Consider technology within the context of [people and processes]**
  - **Balance needs and available capability with resources, and to put capability into the hands of the user quickly**

Market Research: What Are you Looking For?

- **What GFE/GFI Would Be Provided, and When?**
  - **Source Code, Executables?**
  - **Bidder's Library**
  - **Prototyping / Demonstration Setup (IWPC 4.2, 4.X)**
- **What Does IWPC 4.2 Consist of, and How Much Can Be Leveraged for IOPC-J**
  - **DEMO (IWPC is still in development, not a finished product!)**
  - **Approximately 475K SLOC**
  - **Net Centric Services Are New in IWPC 4.2**
  - **Cooperative Effort Between ESC (TBMCS-SBC, SPT), GD, AFRL, NRL (BUILDER) and JIOC (ION)**
- **What are the engineering/technical priorities for IOPC-J?**
- **Migration of DII/COE to the new Net Centric architectures (timing and specific services available across the DoD enterprise in support of IOPC-J test/fielding)**
- **[important consideration, to understand NOT ONLY the] technology surrounding access and interoperability, but also adoption and the business practices wherein systems gain or lose reputation as 'trusted brokers' of necessary information**

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Industry Feedback

- **KPP #1: Support the Planning Process**
- **KPP #2: Interact with DoD Planning and C2 Systems**
- **KPP #3: Network Mapping Capability**
- **KPP #4: Net Ready**

Net Centric Definitions

- **Discovery**: The set of services that enable the formulation and execution of search activities to locate data assets (e.g., files, databases, services, directories, web pages, streams) by exploiting metadata descriptions.
- **Mediation**: The set of services that enable transformation processing (translation, aggregation, integration), situational awareness support (correlation and fusion), negotiation (brokering, trading, and auctioning services) and publishing.
- **Enterprise Storage:** The set of services necessary to provide on demand posting, storage and retrieval of data
- **Enterprise Application Hosting:** The set of services necessary to provision, host, operate and manage the GIG ES.
- **Information Assurance:** The set of services that provide a layer of Defense in Depth to enable the protection, defense, integrity, and continuity of the information environment and the information it stores, processes, maintains, uses, shares, disseminates, disposes, or transmits.
- **Enterprise Services Management:** The set of services that enable the life cycle management of the information environment and supports the performance of the NetOps activities necessary to operationally manage information flows in the information environment.
- **Collaboration:** The set of services that allows users to work together and jointly use selected capabilities on the network (i.e., chat, online meetings, work group software etc.)
- **Messaging:** Provides services to support synchronous and asynchronous information exchange.

Technology Readiness

Technology	TRL	Incr 1	Incr 2
Support Planning Process (KPP #1)			
- Conduct Time-, Event, Objective-driven Planning	9		
- Conduct Effects Based Planning	9		
- Human-GIG Interface	9		
- Multiple Operating Modes (RBAC)	7		
- Create, Format, Track RFIs	9		
- Automated Update and Correlation			
- Advanced Query Capability	6		
- Structured and Unstructured Data	6		
- Support Multiple Data Sources	6		
- Strategy-to-Task Decomposition	9		
- Influence Net Modeling	6		

Technology Readiness Levels (TRL)

9. Actual system "flight proven" through successful mission operations

8. Actual system completed and "flight qualified" through test and demo

7. System prototype demonstration in a operational environment

6. System/subsystem model or prototype demonstration in a relevant environment

5. Component and/or breadboard validation in relevant environment

4. Component and/or breadboard validation in laboratory environment

3. Analytical and experimental critical function and/or characteristic proof-of-concept

2. Technology concept and/or

KPP #1 TRL Comments

- **Multiple Operating Modes (RBAC)**
  - **Demonstrated in some environments**
  - **Is IOPC-J structured to take advantage?**
- **Automated Update and Correlation**
  - **No information received on this capability**
  - **Requires more research**
- **Advanced Query Capability**
  - **Demonstrated**
  - **Unsure of operational usage**
- **Structured and Unstructured Data**
  - **Demonstrated**
  - **Unsure of operational usage**
- **Support Multiple Data Sources**
  - **Demonstrated**
  - **Unsure of operational usage**
- **Influence Net Modeling**
  - **Unsure of operational Usage**

Technology Readiness

Technology	TRL	Incr 1	Incr 2
Interact With DOD planning & C2 Systems (KPP #2)			
- Intelligence Systems	9		
- Mission Planning Systems	9		
- Command and Control Systems	9		
- Deconflict with External Systems	7		
- Auto Update with External Sources	7		
- Geospatial Information and Services	8		
Network Mapping Capability (KPP #3)			
- Support Multiple Visual Stds.	8		
- Friendly Information Visualization	8		

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9. Actual system "flight proven" through successful mission operations

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2. Technology concept and/or

KPP #2 TRL Comments

- **Deconflict with External Systems**
  - **Demonstrated**
  - **May depend on Net-Centric Services**

- **Auto Update with External Sources**
  - **Demonstrated**
  - **May depend on Net-Centric Services**

Technology Readiness

Technology	TRL	Incr 1	Incr 2
Net Centricity (listed below) KPP #4			
- Messaging (e.g. SOAP, WSDL)	7		
- Information Assurance Services	2		
- Discovery (UDDI)	9		
- Mediation	6		
- Enterprise Storage	9		
- Enterprise Application Hosting	5		
- Enterprise Services Management	5		
- Collaboration	7		
Client Environment	9		
- Fat Client	9		
- Thin Client	9		
- Zero Client	9		
Blade Server Technology	7		

Technology Readiness Levels (TRL)

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KPP #4 TRL Comments

- **Messaging**
  - **SOAP, WSDL widely accepted, unsure of reliability and maturity of reliable messaging (e.g. WS-RM) in Net-Centric environment**
- **Information Assurance**
  - **Maturity of MLS in Net-Centric environment is a question**
- **Mediation**
  - **Demonstrated on smaller-scale or local levels**
  - **Unsure of enterprise-wide maturity**
- **Enterprise Application Hosting**
  - **Unsure of GIG-level support**
  - **IOPC-J may have to provide applications on a local level on an interim basis**
- **Enterprise Services Management**
  - **Demonstrated on smaller-scale or local levels**
  - **Unsure of enterprise-wide maturity**
- **Collaboration**
  - **Many solutions exist--what is the enterprise-wide standard?**

What We Heard

- **Multiple responses to:**
  - **Open Standards (XML, etc.)**
  - **Mature COTS/GOTS Solutions**
  - **Service Oriented Architectures**
  - **Enterprise Service Bus**
  - **Spiral Development**
  - **Risk Reduction Approaches**

Areas For Further Exploration

- **Role of Net-Centric Enterprise Services**
  - **We need services – what is the timeframe for DIA/DISA?**
  - **Will we need to fill the gap until NCES is fielded?**
  - **Will the transition between IOPC-J-provided services to NCES be smooth?**
- **Ability to Discover and Integrate IO Pillars, Supporting and Related Applications**
  - **Should we be integrating or developing applications?**
  - **Need to find and investigate ACTDs**
- **Integration of Mature COTS/GOTS into ESB/SOA**
  - **CMMI Level for Integration Activities**
- **Maturity of Multi-Level Security Solutions in DOD**
  - **What is the recommended transition from MSL with Guards to a full MLS solution?**
- **Advanced Capabilities**
  - **Advanced Queries**
  - **Deconfliction of Events**
  - **Structured/Unstructured Data Handling**
  - **Influence Net Modeling**

Market Research: DoD Partners

- **Need to Determine Technological Capability Approach**
  - **Net-Centric/NCES Standards are Leveraging (a Subset of) Industry SOA Standards**
  - **Technologies/Capabilities Are Moving Quickly**
  - **Numerous IO Tools and ACTDs to be Leveraged**
- **Research Partners**
  - **Plan to Infuse Ongoing Government Laboratory and Operational Prototyping Efforts: AFRL, DARPA, Army Futures Lab, ARL, NRL, JIOC, C2 Battlelab, IOIN (including AFRL, NRL, AFIWC)**
    - **IWPC Program Already Teaming or Has Teamed With AFRL, DARPA, NRL**
    - **IWPC 4.2: ESC (Hanscom) for Migration of Strategy Briefing Composer (Enhanced with XBC in IWPC 4.2 product)**
    - **IWPC 4.2: AFRL/IFSA (Rome) for SOA services development and Migration of SDT capabilities**
    - **IWPC 4.X: AFRL/HECP (WPAFB) for EBA/TENEO Integration/Human Factors Enhanced GUIs**
      - **TENEO Integration: ESC (Hanscom) and AFRL/HECP (WPAFB)**
      - **Other Capabilities: AFRL/IFSA Possible Enhancements from DASEA Research**
- **DoD Program Interface/Risk Reduction**
  - **Continue to Research Analogous and Interfacing DoD Programs: JTT, MIDB, GCCS-I3,TBMCS, JIAPC, DCGS, Net-Centric Enterprise Services, ISPAN**
  - **IOPC-J Team Expanding the Joint Relationships (Stratcom, JIOC)**
  - **Additional Interface Research Needed: AFATDS, JC2, E-Space, GCCS-AF, GCCS-M**

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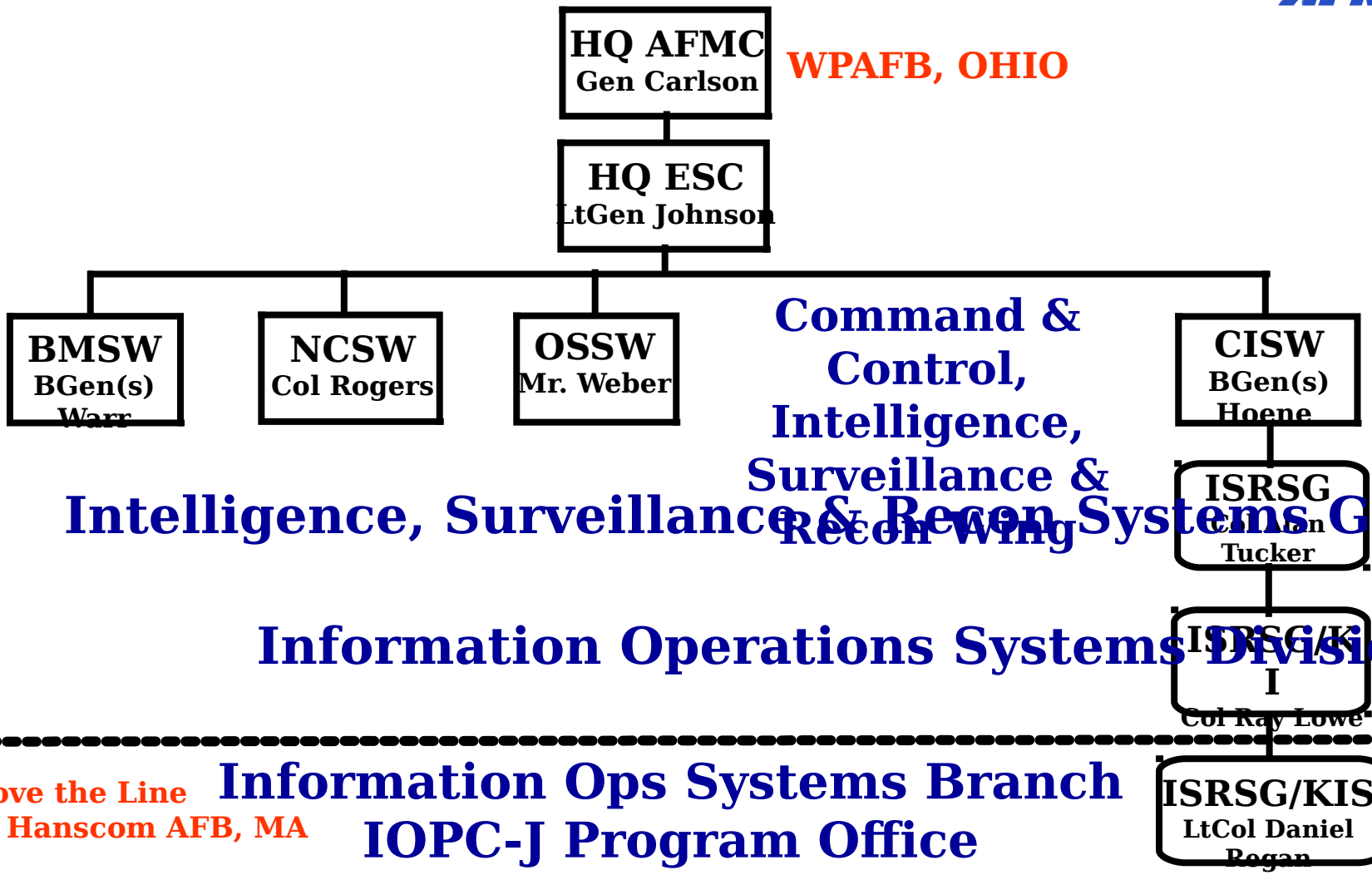
• IWPC v4.2 Demo	Mr. Matt Trippy
• Lunch	
• One-on-One Sessions	

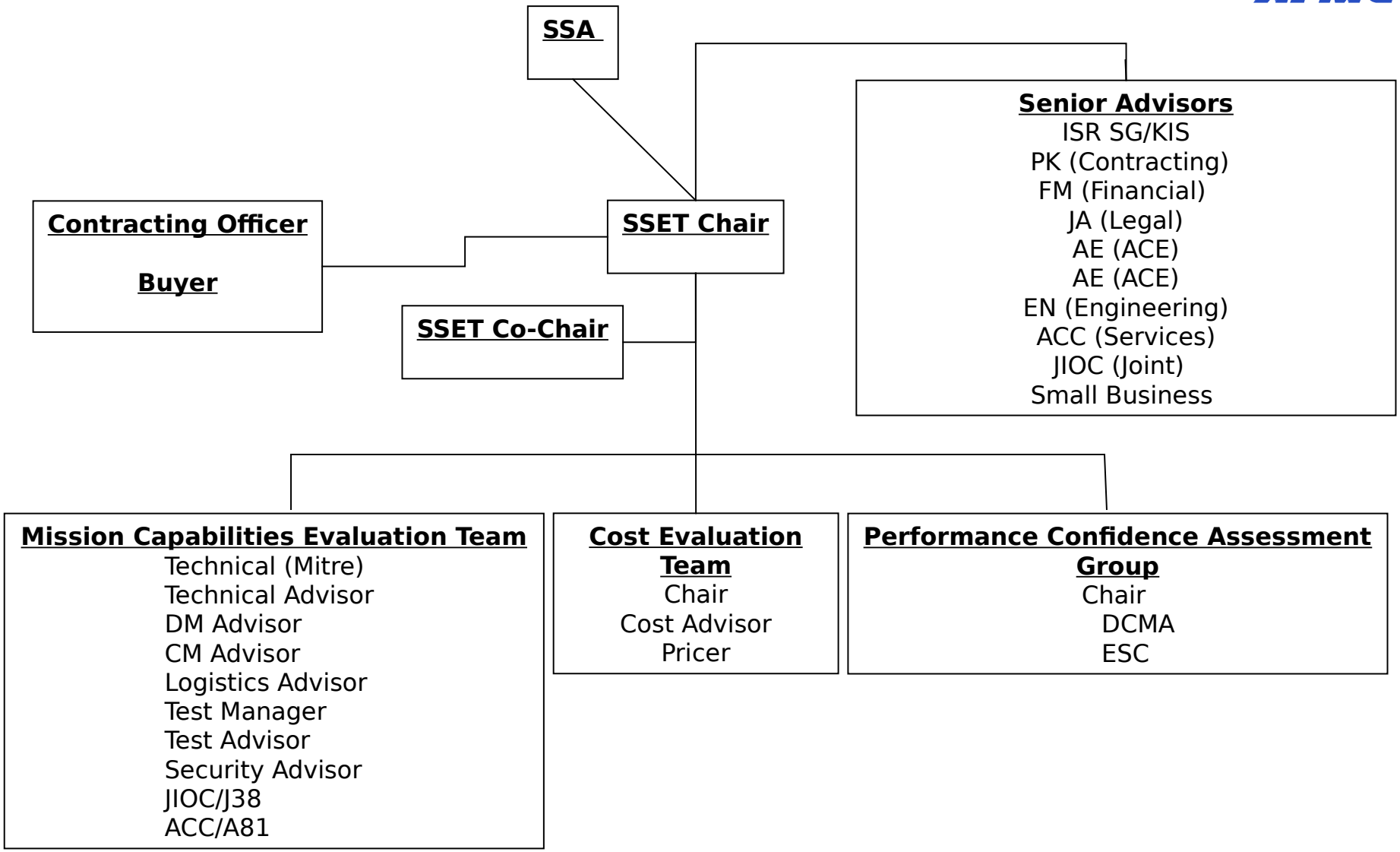
Acquisition Plan

- Acquisition Organizations
- Source Selection Process
- Objectives to Achieve
- Schedules (Notional)

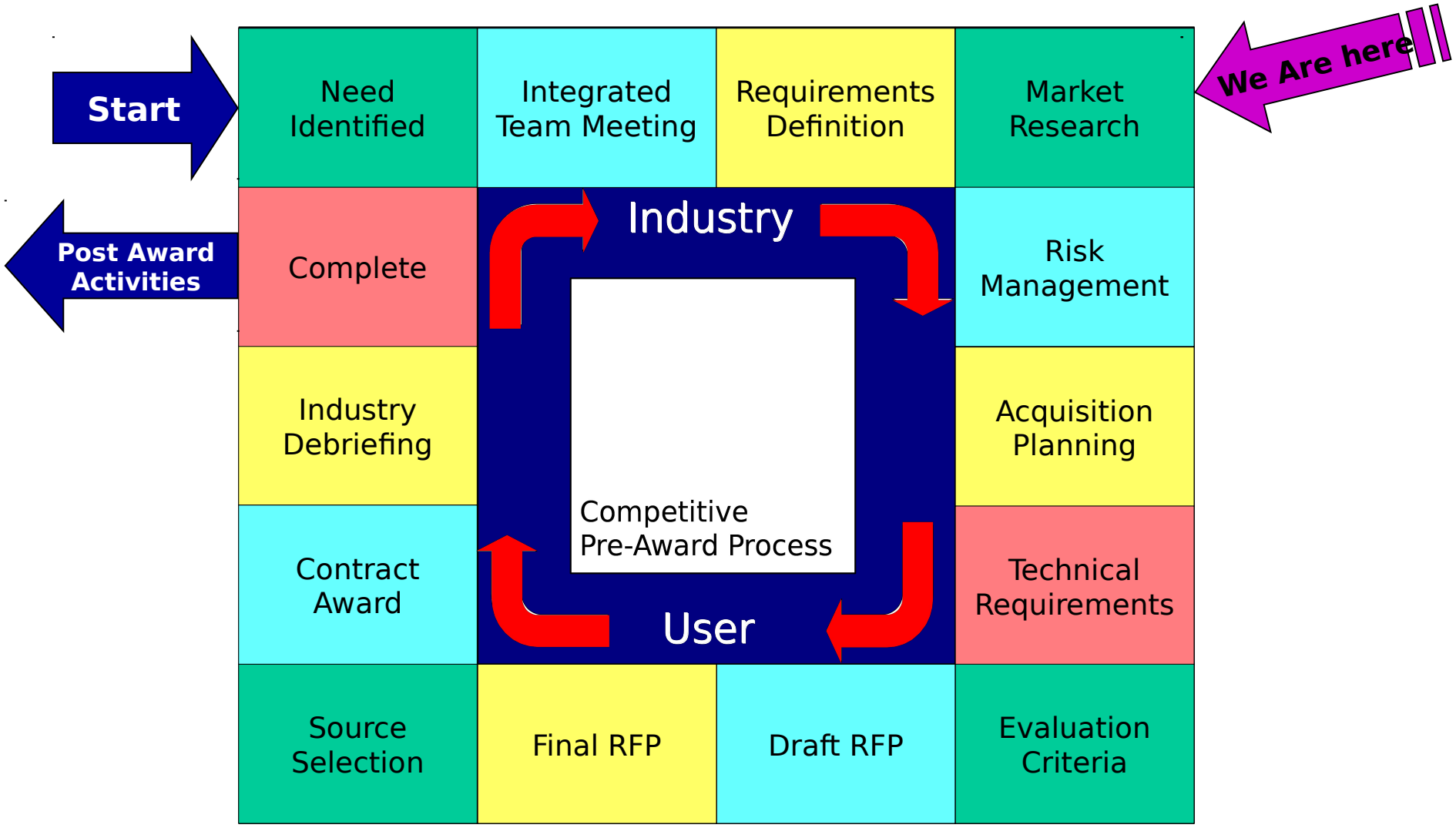
Organizational Chart



IOPC-J Organization Chart



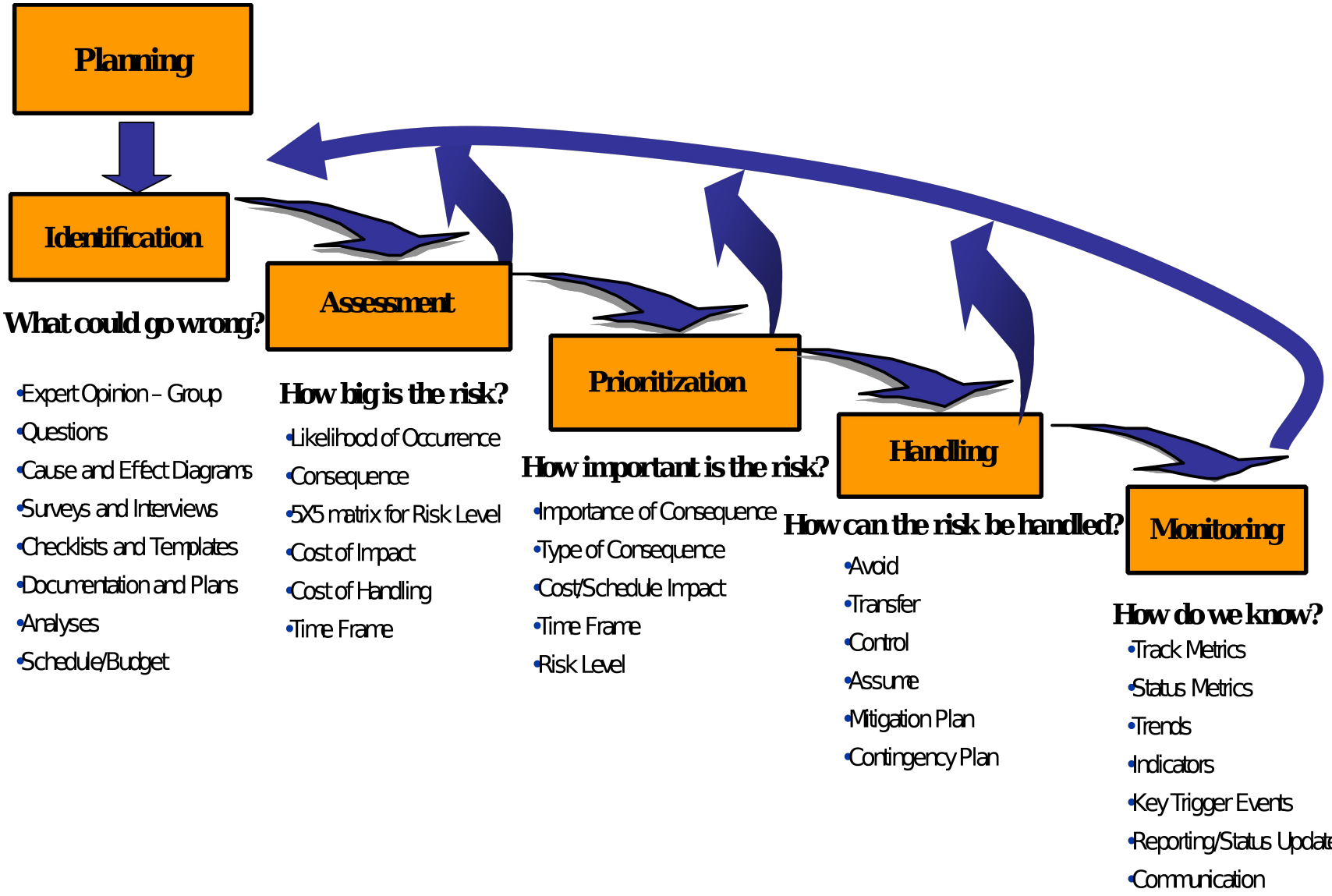
Source Selection Process



Objectives to Achieve

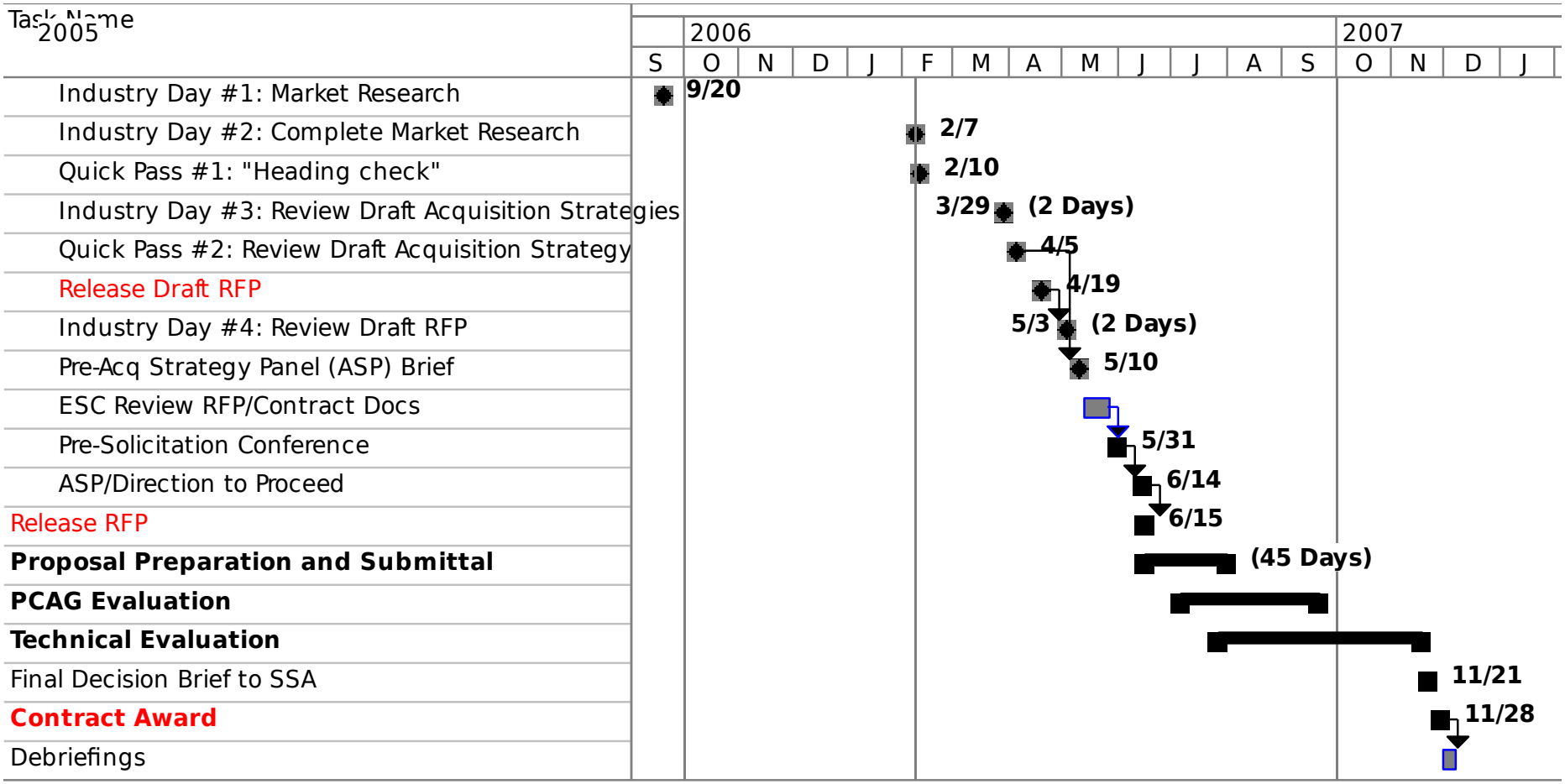
- **IOPC-J will be DoD principal IO planning capability**
- **Design will facilitate planning and execution of five core IO capabilities—PSYOP, EW, OPSEC, CNO and MILSEC**
- **IOPC-J will support and enhance the IO mission by automating critical functions for information planning, analysis and operations**
- **IOPC-J will leverage existing Net Centric functionality to its fullest extent—integrating with existing planning tools and augmenting only where needed**
- **IOPC-J will comply with Net Centric requirements**
- **IOPC-J will fully support the Combatant Commander's and/or Joint Force Commander's (JFCs) overall campaign plan**
- **IOPC-J will include a suite of scalable, modular, object-oriented software applications that are, to the maximum extent practicable, platform independent**

Risk Management Strategies

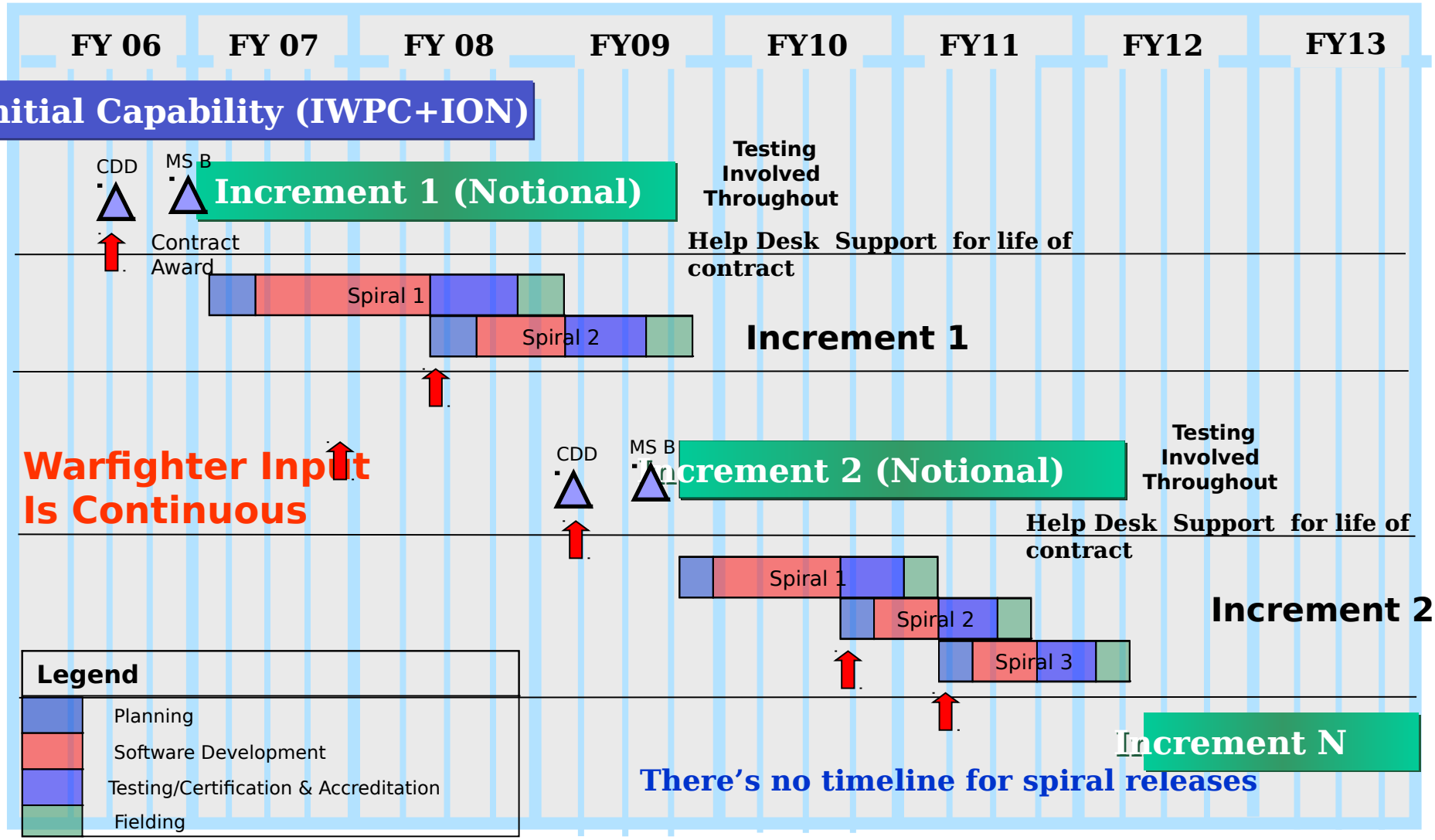


Notional IOPC-J Pre-Award Schedule

Updated as of 8 Feb 06



Program Schedule (Notional)



Summary

- **Resource Library**
- **Next Industry Day will be 29 Mar 06**
- **One-on-One Sessions will begin at 1300**
  - **145 Duncan Drive, Suite 200**
  - **Please sign up before you leave the Kelly Field Club**
- **Thank You!**

Agenda

• Welcome	Mr. Ken Francois
• IOPC-J Overview	Capt Ephane Dubose
• Break	
• Market Research Feedback	Mr. Matt Trippy
• Technology Readiness	Mr. Mike Bubb
• Acquisition Plan	Mr. Ken Francois
– Acquisition Organizations	
– Source Selection Process	
– Objectives to Achieve	
– Schedules (Notional)	
• Summary	Mr. Ken Francois
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IWPC v4.2 Software Architecture